

Amendments to Claims

Claims 1-10 canceled.

11. (Original) A chorismate pyruvate lyase expression cassette comprising a chimeric gene having a nucleic acid molecule encoding a ribulose-1,5-bisphosphate carboxylase small subunit chloroplast targeting sequence having an amino acid sequence as set forth in SEQ ID NO:15 operably linked to a nucleic acid molecule encoding a chorismate pyruvate lyase enzyme having the amino acid sequence as set forth in SEQ ID NO:4.

12. (Original) A chorismate pyruvate lyase expression cassette according to Claim 11 wherein the chimeric gene encodes a polypeptide as set forth in SEQ ID NO:8.

13. (Original) A plant comprising the CPL expression cassette of Claim 11.

14. (Original) The plant according to Claim 13 selected from the group consisting of soybean, rapeseed, sunflower, cotton, corn, tobacco, alfalfa, wheat, barley, oats, sorghum, rice, *Arabidopsis*, sugar beet, sugar cane, canola, millet, beans, peas, rye, flax, and forage grasses.

15. (Original) A chimeric protein comprising a chloroplast targeting sequence fused to the N-terminus of the mature chorismate pyruvate lyase protein having the amino acid sequence as set forth in SEQ ID NO:8.

16. (Original) An isolated nucleic acid fragment encoding a chimeric protein comprising a chloroplast targeting sequence fused to the N-terminus of the mature CPL protein has the amino acid sequence as set forth in SEQ ID NO:15.

17. (Original) An isolated nucleic acid fragment of Claim 16 having the sequence as set forth in SEQ ID NO:7.

18. (Original) The chloroplast cleavage product of Claim 15 having the amino acid sequence as set forth in SEQ ID NO:16.

19. (Original) A nucleic acid fragment encoding the processed protein of Claim 18.